

Abstract of the Disclosure

A system and method employs standard DECT hardware adapted for use in the Industrial-Scientific-Medical (ISM) Spectrum wherein a Frequency Hopping Spread Spectrum (FHSS), multiple carrier, time-division-multiple-
5 access (TDMA), time-division-duplex (TDD) technique provides wireless communications over the ISM Spectrum while employing standard DECT hardware. A baseband processor provides slot and frame timing to a RF sub-module wherein the preferred, although not exclusive number of carrier frequencies is programmed to seventy-five ranging between 2401.122 MHz to
10 2479.813 MHz and spaced 1.063 MHz apart and wherein each of the seventy-five channels supports a ten-millisecond frame preferably, although not exclusively, comprised of sixteen time slots.